

SKILLS PRACTICE 5

IMPROPER FRACTIONS

Practice your fraction conversion skills by rewriting the following mixed fractions as improper fractions. Be sure to show your work.

$$4\frac{6}{7}$$

$$\begin{array}{r} 7 \times 4 = 28 \\ \downarrow \\ 28 + 6 = 34 \\ \downarrow \\ \hline 34 \\ 7 \end{array}$$

$$2\frac{1}{2}$$

$$3\frac{3}{5}$$

$$4\frac{1}{6}$$

$$8\frac{2}{7}$$

$$6\frac{1}{5}$$

$$2\frac{3}{5}$$

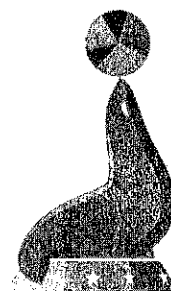
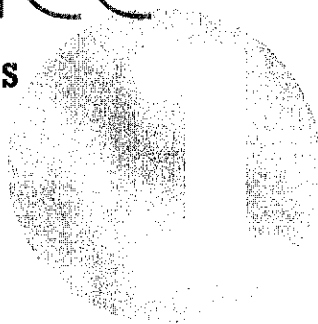
$$5\frac{1}{3}$$

$$6\frac{5}{7}$$

Skills Practice

ADDING MIXED FRACTIONS

Practice your fraction arithmetic skills by adding the following mixed fractions. Be sure to show your work and simplify your answers.



Rewrite as improper fractions

Find least common denominator

$$1\frac{2}{5} + 3\frac{6}{7} = 5\frac{9}{35}$$

$$1\frac{2}{5} + 3\frac{6}{7}$$

$$\frac{7}{5} \times \frac{7}{7} + \frac{27}{7} \times \frac{5}{5}$$

$$\frac{49}{35} + \frac{135}{35} = \frac{184}{35} = 5\frac{9}{35}$$

$$3\frac{1}{4} + 4\frac{1}{2} =$$

$$2\frac{5}{6} + 5\frac{4}{7} =$$

$$2\frac{3}{5} + 6\frac{1}{4} =$$

$$4\frac{2}{3} + 4\frac{1}{6} =$$

$$7\frac{3}{4} + 1\frac{1}{3} =$$

$$3\frac{1}{2} + 3\frac{1}{5} =$$





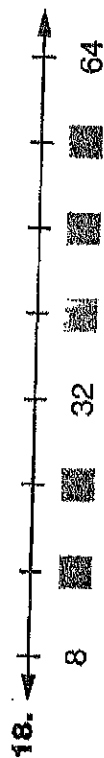
Write all of your answers on a separate sheet of paper.

Write each decimal as a percent.

12. 0.40 13. 0.25 14. 0.12

15. 0.85 16. 1.67 17. 0.05

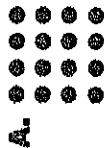
Complete the number lines.



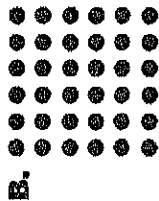
Write all of your answers on a separate sheet of paper.

Write the letter of the square array that matches the square number.

1. 36



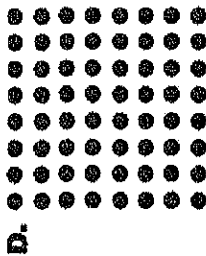
2. 64



3. 16



4. 9



List all the factors of each number. Tell whether each number is *prime* or *composite*.

5. 24 6. 50 7. 17 8. 44

Compare. Write $<$ or $>$.

9. 33,085 13,058 10. 41,123 13,058
11. 110,362 101,317 12. 583,627 588,267

Write the digit in the thousands place.

13. 71,345 14. 836,210 15. 9,219
16. 415,740 17. 307,912 18. 1,927,435

Practice Set 6 (cont.)



Write all of your answers on a separate sheet of paper.

Write each of the following in standard notation.

19. 4^2 20. 12^2 21. 27^2
 22. 25^2 23. 40^2 24. 62^2

Six people are going to share \$111 equally.

25. How many \$100 bills does each person get?
 26. How many dollars are left to share?
 27. How many \$10 bills does each person get?
 28. How many dollars are left to share?
 29. How many \$1 bills does each person get?
 30. How many dollars are left over?
 31. If the leftover money is shared equally, how many cents does each person get?
 32. Write a number model for the above problem.

Solve.

33. $210 - 180$ 34. $526 + 127$
 35. $80 + 36$ 36. $52 - 17$
 37. $97 - 8$ 38. 90×9
 39. $587 - 236$ 40. $2,662 - 141$
 41. 370×8 42. $262 + 3,455$
 43. 120×50 44. $2,625 + 5,213$

Practice Set 7



Write all of your answers on a separate sheet of paper.

Write the letter that matches the square root for each number.

1. 49 A. 0.5
 2. 0.25 B. 13
 3. 169 C. 20
 4. 400 D. 7

Tell whether each number is a square number. Write yes or no.

5. 64 6. 177 7. 90
 8. 144 9. 225 10. 250

Write the number sentences with parentheses and solve.

11. Add 70 to the difference of 365 and 36.
 12. Subtract the sum of 24 and 13 from 48.
 13. Add 7 to the difference of 37 and 15.
 14. Subtract the sum of 18 and 222 from 428.

Write the following numbers in digits.

15. eighty million, three hundred twenty-one thousand, nine hundred eleven
 16. two billion, fifty-six thousand, five hundred
 17. six hundred fourteen billion, three hundred million

Star Math

$$\begin{array}{r} 3.2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2.1 \\ \times 4 \\ \hline \end{array}$$

$$y + 33 = 52 \times 3$$

$$\begin{array}{r} 3.2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8.5 \\ \times 5 \\ \hline \end{array}$$

$$21y = 30 + 33$$

$$y + 34 = 31 \times 4$$

$$\begin{array}{r} 5.4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1.1 \\ \times 5 \\ \hline \end{array}$$

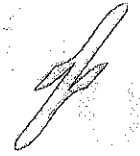
Note: More worksheets at www.education.com/worksheets

Instructions:

Complete each math problem and color the page!



What is the Percent of.. ?



- 1.) What is 10% of 20?
- 2.) What is 5% of 10?
- 3.) What is 25% of 100?
- 4.) What is 15% of 50?
- 5.) What is 30% of 60?
- 6.) What is 50% of 80?
- 7.) What is 20% of 120?
- 8.) What is 35% of 70?
- 9.) What is 75% of 150?
- 10.) What is 60% of 90?
- 11.) What is 40% of 40?
- 12.) What is 55% of 110?
- 13.) What is 80% of 130?



Write all of your answers on a separate sheet of paper.

Solve.

1. $322 + 921$

3. $540 + 191$

5. $6.152 + 8.019$

7. $16.5 + 97$

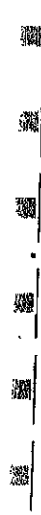
2. $22 + 42 + 14$

4. $76.271 + 3.109$

6. $6.2 + 3.9 + 4.5$

8. $3.58 + 65.4$

9. Use the clues to complete the puzzle.



- Add 43 and 23. Divide by 11 and write the result in the ones place.
- Triple the number in the ones place and divide by 2. Write the result in the tenths place.
- Multiply 8×9 . Subtract 68. Write the result in the thousandths place.
- Subtract the number in the tenths place from 57 and divide by 6. Write the result in the hundredths place.
- Divide 36 by the number in the thousandths place. Write the result in the tens place.
- Subtract the number in the ones place from the number in the tens place. Write the result in the hundreds place.



Write all of your answers on a separate sheet of paper.

Eight people are going to share \$682 equally.

- How many \$100 bills does each person get?
- How many dollars are left to share?
- How many \$10 bills does each person get?
- How many dollars are left to share?
- How many \$1 bills does each person get?
- How many dollars are left over?
- If the leftover money is shared equally, how many cents does each person get?
- Write a number model for the above problem.

Write the amounts.

18. Q Q Q D D D N N P P P P

19. \$1 \$1 \$1 Q D D D D N
P P P P

20. \$5 \$5 \$5 \$5 \$1 Q N N

21. \$100 \$100 \$20 \$20 \$5
\$1 \$1 Q

Fill in the missing numbers on the number lines.





Write all of your answers on a separate sheet of paper.

Solve.

1. $7.49 - 6.65$
2. $4.8 - 1.2$
3. $819 - 742$
4. $346 - 122$
5. $5.32 - 4.59$
6. $9,007 - 3,568$
7. $47.9 - 10.7$
8. $5,300 - 1,792$

Read each statement. Tell if the measurement is *too small*, *OK*, or *too large*.

9. The book weighs 1 ton.
10. Ellen's sister is 5 yards tall.
11. The distance between San Francisco and Washington, D.C. is 115 miles.
12. The chicken weighs about 4 pounds.
13. The nickel weighs about 5 grams.
14. A mug holds about 1 liter of water.
15. Mr. Brown's shoe is about 13 centimeters long.

Complete the missing factors.

16. $70 \times \square = 210$
17. $\square \times 4 = 360$
18. $\square \times 8 = 640$
19. $12 \times \square = 960$
20. $400 \times \square = 3,600$
21. $\square \times 50 = 350$
22. $9 \times \square = 810$
23. $\square \times 6 = 6,600$



Write all of your answers on a separate sheet of paper.

Write a number sentence. Then find the solution.

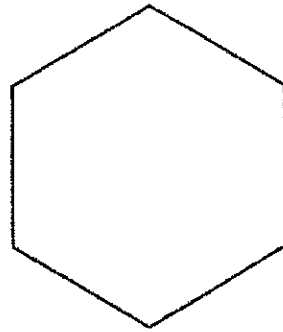
1. The bakery sold 16 cherry pies and 21 strawberry pies. How many pies were sold in all?
2. Sue paid for lunch with a \$10 bill. The tuna sandwich cost \$2.49 and the orange juice cost \$1.65. How much change did she receive?
3. Evan spent \$35.72 on school supplies. Tanya spent \$23.18. How much more did Evan spend than Tanya?

Estimate the total cost.

4. 10 rulers that cost 79¢ each
5. 8 scissors that cost \$1.14 each
6. 15 books that cost \$2.35 each
7. 3 markers that cost \$1.85 each

Answer the following questions.

8. How many sides does the polygon have?
9. What kind of polygon is shown?
10. If each side were 2.4 cm, what would the perimeter be?
11. How many lines of symmetry does it have?





Write all of your answers on a separate sheet of paper.

12. Write the missing numbers. You may use a calculator.

Product	Exponential Notation	Standard Notation
$5 * 5 * 5 * 5$	5^4	625
$8 * 8 * 8$		
	10^5	
		144
$13 * 13$		
		400
	25^4	
$30 * 30 * 30$		

Find the square numbers.

13. 9^2 14. 14^2
 15. 20^2 16. 24^2
 17. 32^2 18. 48^2
 19. 65^2 20. 71^2
 21. 100^2

Complete.

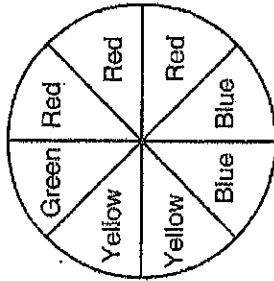
22. $2\frac{1}{2}$ hours = minutes
 23. 12 hours = day
 24. 2,700 seconds = minutes
 25. $10\frac{1}{2}$ days = weeks
 26. 365 days = year



Write all of your answers on a separate sheet of paper.

Use the spinner for Items 1–4. Suppose you spin a paper clip on the base of the spinner 200 times. About how many times would you expect it to land on ...

1. red?
 2. blue?
 3. yellow?
 4. green?

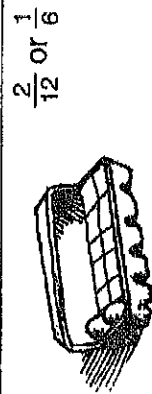


Write the digit in the hundredths place.

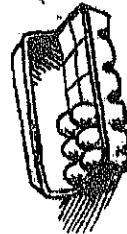
5. 2.15 6. 10.07 7. 3.142
 8. 92.103 9. 7.13 10. 8.49

Write the fractional part for each picture.

Example



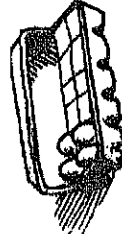
11.



12.



13.



14.



Name _____

Date _____

Making Mathematical Predictions

Read the following facts carefully. Then circle whether you think the events below it are CERTAIN, LIKELY or UNLIKELY to happen.

1. A bag is filled with 8 red marbles, 6 green marbles and 0 black marbles. You reach in without looking...
 - a. ...and pull out a marble of any color CERTAIN LIKELY UNLIKELY
 - b. ...and pull out a red marble. CERTAIN LIKELY UNLIKELY
 - c. ...and pull out a green marble. CERTAIN LIKELY UNLIKELY
 - d.and pull out a black marble. CERTAIN LIKELY UNLIKELY

2. The weather forecast is mostly cloudy and 52 degrees with 100% chance of rain.
 - a. It will rain. CERTAIN LIKELY UNLIKELY
 - b. It will snow. CERTAIN LIKELY UNLIKELY
 - c. It will be a sunny day. CERTAIN LIKELY UNLIKELY

3. You flip a coin 100 times.
 - a. The coin will land on either heads or tails CERTAIN LIKELY UNLIKELY
 - b. Heads will come up about half the time. CERTAIN LIKELY UNLIKELY
 - c. Heads will come up every time. CERTAIN LIKELY UNLIKELY

4. John bought a bag of 20 jellybeans. There are 5 different colors in the bag: red, green, yellow, purple and orange. John picks out 5 jellybeans without peeking.
 - a. One will be orange. CERTAIN LIKELY UNLIKELY
 - b. All 5 will be the same color. CERTAIN LIKELY UNLIKELY
 - c. The bag contains 4 jellybeans of each color. CERTAIN LIKELY UNLIKELY

Definitions

Likelihood: The chance that something will happen.

Certain: Will definitely happen

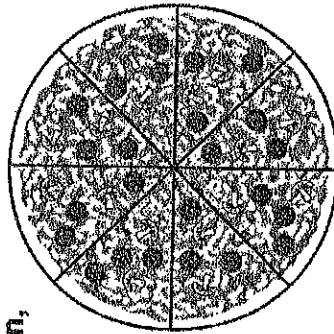
Likely: Will probably happen

Unlikely: Will probably not happen



Write all of your answers on a separate sheet of paper.

Susan, Antonio, Chris, Jonathan, and Julie went out to dinner. They ordered 3 pizzas. All 3 pizzas were the same size.



17. Susan and Julie shared one pizza. Susan ate $\frac{3}{8}$ of the pizza. Julie ate $\frac{1}{2}$ of the pizza. Who ate more?

18. How much of the pizza was left?

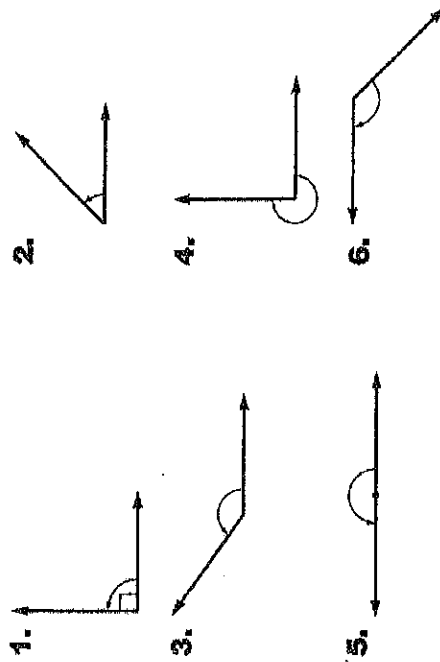
Antonio, Chris, and Jonathan shared the other two pizzas. Antonio ate $\frac{5}{8}$ of a pizza. Chris ate $\frac{3}{4}$ of a pizza. Jonathan ate $\frac{3}{6}$ of a pizza. Who ate more:

19. Chris or Antonio?
 20. Chris or Jonathan?
 21. Antonio or Jonathan?
 22. Who ate the most?
 23. How much was left?
 24. How many slices were left from all 3 pizzas?
 25. Susan, Antonio, Chris, Jonathan, and Julie want to share the remaining slices equally. How many sections should they divide the remaining slices into?



Write all of your answers on a separate sheet of paper.

Write *acute*, *obtuse*, *right*, *straight*, or *reflex* to describe each angle.



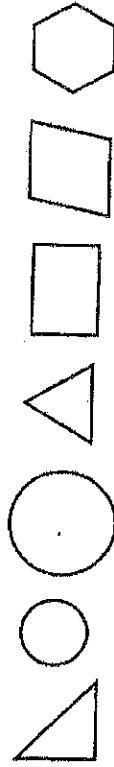
Solve.

7. $900 / 90 = \square$
 8. $340 \times 20 = \square$
 9. $1,200 = 120 \times \square$
 10. $5 \times 560 = \square$
 11. $40 \times \square = 6,000$
 12. $\square / 1,000 = 30$
 13. $2,800 / 700 = \square$
 14. $16 \times \square = 560$
 15. $\square / 70 = 10$
 16. $9 \times 30 = \square$
 17. $2,200 / \square = 11$
 18. $8 \times 60 = \square$

Complete.

19. $10^8 = \square$
 20. $10^{\square} = 1,000,000,000$
 21. $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = \square$
 22. 10 to the sixth power = \square

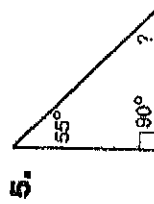
Write all of your answers on a separate sheet of paper.



Use the figures above to answer items 1-4.

1. What fraction of the figures is represented by triangles?
2. What fraction of the figures is represented by polygons?
3. What fraction of the figures has at least 1 pair of parallel sides?
4. What fraction of the figures is not represented by quadrangles?

Find the missing angle measure. A triangle has 180° . Do not use a protractor.



Copy the following numbers on your paper.

7. Underline the numbers that are divisible by 2. Circle the numbers that are divisible by 3. Cross out the numbers that are divisible by 5.

340	845	9,303	1,001	653
125	777	496	2,300	8,472

Write all of your answers on a separate sheet of paper.

In each set of problems below, do as many exercises as you can in one minute.

Problem Set 1	Problem Set 2	Problem Set 3
---------------	---------------	---------------

8. 7×1 23. $9 + 1$ 38. 9×5

9. $21 \div 3$ 24. $15 - 8$ 39. $35 \div 7$

10. $28 \div 7$ 25. $16 - 6$ 40. $8 + 2$

11. 4×3 26. $7 + 7$ 41. $16 - 9$

12. $18 \div 6$ 27. $8 - 0$ 42. 8×5

13. $30 \div 3$ 28. $6 + 7$ 43. $9 + 4$

14. 5×0 29. $5 + 4$ 44. $81 \div 9$

15. $24 \div 4$ 30. $9 + 7$ 45. $16 - 7$

16. $30 \div 5$ 31. $13 - 1$ 46. $15 - 6$

17. 6×8 32. $12 - 7$ 47. $8 + 3$

18. 10×6 33. $3 + 5$ 48. 7×9

19. 8×4 34. $10 - 7$ 49. 3×8

20. $54 \div 9$ 35. $2 + 0$ 50. $72 \div 8$

21. 6×6 36. $16 - 8$ 51. $90 \div 9$

22. $56 \div 7$ 37. $18 - 9$ 52. $7 + 4$



Write all of your answers on a separate sheet of paper.
Use mental math to solve. Remember to break the number being divided into two or more friendly parts.

Example	Friendly parts:	Divide each part.
66 divided by 5	50 and 16	$50 \div 5 = 10$
		$16 \div 5 = 3$ with 1 left over
		66 divided by 5 equals 13 with 1 left over.

1. 71 divided by 3
2. 47 divided by 6
3. 87 divided by 8
4. 69 divided by 4
5. 95 divided by 7
6. 86 divided by 6

7. How many dots are in this array?

.....
.....
.....
.....

8. Write a number model for the array.

9. How many dots are in this array?

.....
.....
.....
.....
.....

10. Write a number model for the array.

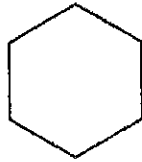
Complete.

11. $10^4 =$
12. $5^4 = 25$
13. $10,000,000 = 10^7$
14. $3^4 = 27$
15. $64 = 4^4$
16. $4^4 = 81$



Write all of your answers on a separate sheet of paper.
Write the value of the digit 8 in the numerals below.

17. 589,000
18. 87,402,000,000
19. 312,719,538
20. 482,391,092
21. 328,946,326
22. What kind of polygon is shown below?



23. If each side were 6.9 centimeters, what would the perimeter be?

Complete the number lines.



Order of Operations: PEMDAS

1. **Parentheses** () First, perform operations within parentheses.
2. **Exponents** Y^2 Second, perform operations with exponents.
3. **Multiplication X and Division** \div Third, perform all multiplication and division operations from left to right.
4. **Addition + and Subtraction** - Lastly, perform all addition and subtraction operations from left to right.

Solve the following problems using PEMDAS

1. $(4 + 3) \times 10 \div 2 + (5 \times 6)$ 6. $(10 - 7) + (2 \times 14 \div 4)$

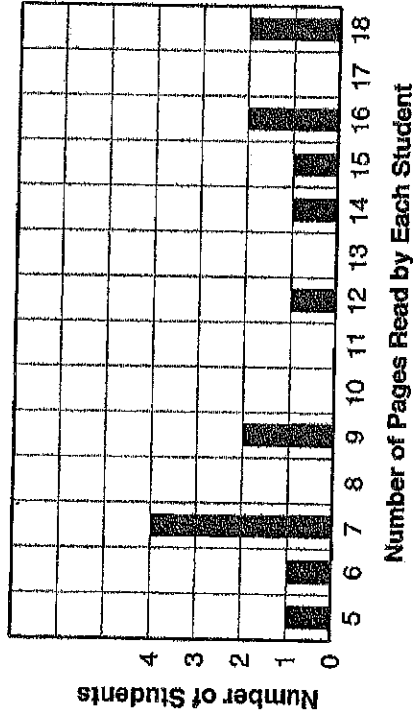
2. $3^2 + (2 + 12 \times 2) - 16 \div 4$ 7. $64 - 8 + 12 \times 2 + 9$

3. $4(15 \div 3) + (6 \times 3) - 2^2$ 8. $12^2 - 23 + (9 \times 3)$

4. $9^2 \times 2 - 20$ 9. $4^3 - 3^3$

5. $1 - 13 \times 2 + 25 - 3 + 15 - 3$ 10. $9 + 5 - 10 \times 6 - 8$

Write all of your answers on a separate sheet of paper.
Find the landmarks for the data shown on the graph.



1. minimum
2. maximum
3. range
4. mode
5. mean
6. median

Complete the "What's My Rule?" tables.

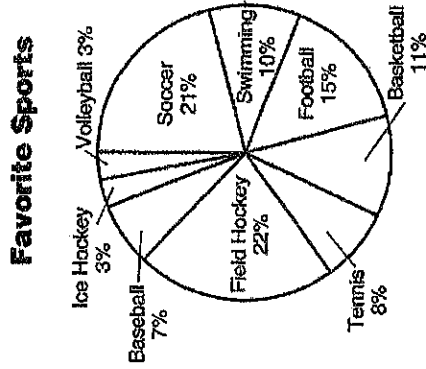
7.	in	out
	out = in / 25	300
	475	
	825	
		17
	160	

8.	in	out
	out = in / 9	270
	81	
		14
	117	
		21

Solve.

9. $636 - x = 85$
10. $15.9 + 38.5 = t$
11. $152 + 652 = p$
12. $847 - 264 = d$

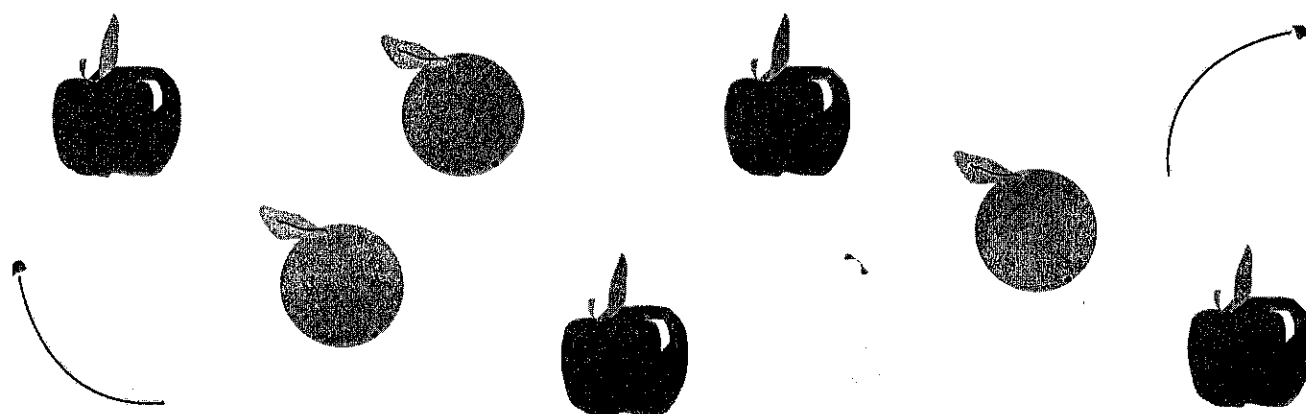
Write all of your answers on a separate sheet of paper.
Examine the circle graph and answer the questions below.



1. Which is the favorite sport of students in this survey?
2. Which is more popular, tennis or baseball?
3. About how many times more popular is field hockey than swimming?
4. How many times more popular is soccer than ice hockey?
5. What percent of the students like sports that use a spherical ball?
6. What percent of the students like sports in which you hit a ball?
7. What percent of the students like sports in which you throw a ball?
8. What percent of the students like sports that can be played outside?
9. About how many times more popular is football than tennis?

Fraction Fruit

Answer the questions about this fruity collection!



1. How many pieces of fruit are there? _____
2. What fraction of the fruits are oranges? _____
3. What fraction of the fruits are bananas? _____
4. What fraction of the fruits are apples? _____
5. What fraction of the fruits are pears? _____
6. What fraction of the fruit group are not apples? _____
7. What fraction do the apples and pear represent? _____
8. Which fruit has the greatest fraction? _____
9. Which fruit has the smallest fraction? _____



Write all of your answers on a separate sheet of paper.

Write the digit in the hundredths place.

9. 5.392 10. 3.731 11. 0.027
12. 1.856 13. 8.374 14. 702.6152

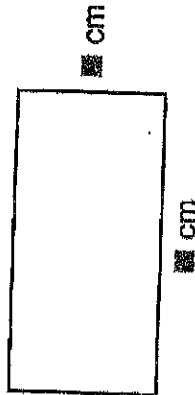
Write the next three numbers in the pattern.

15. 60, 180, 300
16. 9, 15, 21
17. $\frac{6}{4}, \frac{5}{4}, \frac{4}{4}$

Write the amounts.

18. \$1 \$1 \$1 Q D N N N N P
19. \$5 \$5 \$5 \$5 \$5 \$5 \$1
\$1 \$1 \$1 Q Q Q N
20. \$100 \$20 \$20 \$20 \$5 \$5 \$1
Q Q Q Q

21. Measure the sides of the shape to the nearest $\frac{1}{10}$ cm.



22. What is its perimeter?



Write all of your answers on a separate sheet of paper.

Add or subtract.

1. $\frac{1}{3} + \frac{1}{3}$ 2. $2\frac{1}{10} + \frac{3}{10}$
3. $\frac{7}{8} - \frac{2}{8}$ 4. $3\frac{1}{2} + \frac{1}{2}$
5. $\frac{15}{16} - \frac{7}{16}$ 6. $2\frac{5}{6} - \frac{11}{6}$
7. $\frac{2}{5} + \frac{2}{5}$ 8. $9\frac{7}{12} - 2\frac{5}{12}$

Solve.

9. $\begin{array}{r} 826 \\ -104 \\ \hline \end{array}$ 10. $\begin{array}{r} 930 \\ -285 \\ \hline \end{array}$ 11. $\begin{array}{r} 962 \\ +268 \\ \hline \end{array}$
12. $\begin{array}{r} 2,965 \\ -1,583 \\ \hline \end{array}$ 13. $\begin{array}{r} 1,903 \\ -825 \\ \hline \end{array}$ 14. $\begin{array}{r} 2,532 \\ +7,378 \\ \hline \end{array}$
15. $\begin{array}{r} 962 \\ +25 \\ \hline \end{array}$ 16. $\begin{array}{r} 2,682 \\ -632 \\ \hline \end{array}$ 17. $\begin{array}{r} 1,523 \\ +1,497 \\ \hline \end{array}$

18. Find the perimeter of each regular polygon.

Regular Polygon	Length of 1 side	Perimeter
square	15 cm	
pentagon	5.1 cm	
hexagon	$4\frac{1}{2}$ cm	
octagon	2.02 cm	



Write all of your answers on a separate sheet of paper.

Use clock fractions, if helpful, to solve these problems. Write each answer as a fraction.

1. $\frac{5}{12} + \frac{5}{12}$

2. $\frac{1}{4} + \frac{1}{3}$

3. $\frac{5}{6} - \frac{1}{6}$

4. $\frac{11}{12} - \frac{1}{12}$

5. $\frac{3}{4} + \frac{1}{6}$

6. $\frac{5}{6} + \frac{1}{12}$

7. $\frac{2}{3} - \frac{1}{4}$

8. $\frac{5}{6} - \frac{1}{3}$

9. $\frac{1}{6} + \frac{1}{6}$

10. $\frac{13}{12} - \frac{5}{12}$

Write the number sentences with parentheses and solve.

11. Add 5.43 to the difference of 10.15 and 7.93.

12. Subtract the sum of 6 and 1.35 from 7.75.

13. Add 39 to the difference of 17.00 and 6.47.

14. Subtract the sum of 81 and 8.92 from 848.37.

Solve.

15. How many 12s in 2,400?

16. How many 70s in 8,400?

17. How many 1,000s in 10^6 ?

18. 16×80

19. 84×50

20. 600×8.3

21. 29.3×9



Write all of your answers on a separate sheet of paper.

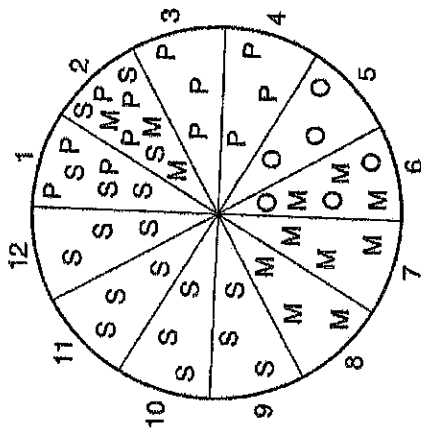
The pizza shown has been cut into 12 equal slices.

M = mushroom

P = pepperoni

S = sausage

O = onion



22. Write a decimal to show the part of the pizza that has just one topping.

23. What percent of the pizza has 2 or more toppings?

24. What fraction of the slices has only sausage?

25. What fraction of the pizza has no onions?

26. If all the slices with mushrooms are eaten first, how many slices are left?

27. What fraction of the remaining slices has pepperoni?

28. What percent of the pizza has only vegetables?

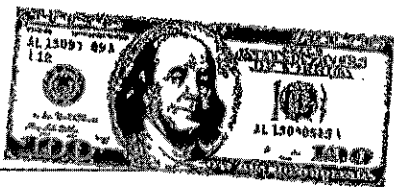
29. What fraction of the pizza has only meat?

30. Joe and Trish eat all the slices with sausage. Write a fraction to show the part of the pizza that is left for Adam, Carrie, and Dave to share.

31. If the three share the leftover pizza equally, how many slices should each one get?

5th
Grade

Show Me the Money!



6 Digits Subtraction with Decimals

Subtract the dollar amounts. Then answer the question below.

$$\begin{array}{r} \$8,743.22 \\ - \$6,417.58 \\ \hline \end{array}$$

$$\begin{array}{r} \$6,579.68 \\ - \$1,325.25 \\ \hline \end{array}$$



$$\begin{array}{r} \$7,632.19 \\ - \$7,321.71 \\ \hline \end{array}$$

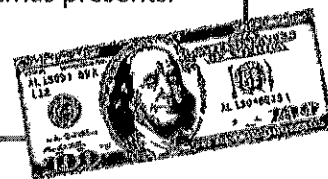
$$\begin{array}{r} \$3,221.37 \\ - \$1,005.61 \\ \hline \end{array}$$



$$\begin{array}{r} \$5,507.34 \\ - \$3,234.87 \\ \hline \end{array}$$

$$\begin{array}{r} \$9,545.47 \\ - \$4,189.92 \\ \hline \end{array}$$

Kenny earned \$9,433.05 last November. He spent \$5,207.15 on Christmas presents.
How much does he have left?



Write all of your answers on a separate sheet of paper.

Solve.

1. $-15 + 2$

2. $-4 + -5$

3. $62 + -9$

4. $-8 + -1$

5. $-14 + 6$

6. $250 + -110$

7. $-61 + 60$

8. $-90 + -30$

9. $-43 + 43$

10. $29 + -15$

Use digits to write the following numbers.

11. one hundred twenty-two billion, three hundred twelve million, eighty-five thousand

12. eighty-four and sixteen hundredths

13. eighteen trillion, two hundred thousand, fourteen

Write the following numbers in words.

14. 83,900,000,000,001

15. 14.657

16. 4,296,087,050,000

Solve.

17. $18 + b = 142$

18. $900 \div c = 30$

19. $12 + t = 50$

20. $n \cdot 10 = 650$

21. $a \div 5 = 70$

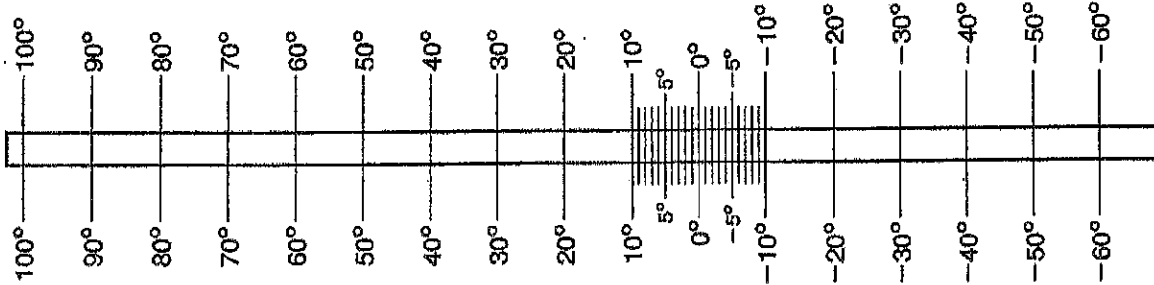
22. $16.75 - h = 12$

Write all of your answers on a separate sheet of paper.

Use the thermometer number line to help you solve the subtraction problems.

Example On Monday the temperature was 8°F . By Tuesday the temperature had dropped 15°F . What was the temperature on Tuesday?

8	Start at 8°F .
-15	Go down 15°F .
-7	The result is -7°F , or 7° below zero Fahrenheit.



- $80^{\circ}\text{F} - 40^{\circ}\text{F} = \blacksquare$
- $40^{\circ}\text{F} - 60^{\circ}\text{F} = \blacksquare$
- $6^{\circ}\text{F} - 9^{\circ}\text{F} = \blacksquare$
- $12^{\circ}\text{F} - 18^{\circ}\text{F} = \blacksquare$
- $\blacksquare = 80^{\circ}\text{F} - 120^{\circ}\text{F}$
- $\blacksquare = 60^{\circ}\text{F} - 35^{\circ}\text{F}$
- $8^{\circ}\text{F} - 82^{\circ}\text{F} = \blacksquare$
- $45^{\circ}\text{F} - 39^{\circ}\text{F} = \blacksquare$
- $\blacksquare = 6^{\circ}\text{F} - 11^{\circ}\text{F}$
- $29^{\circ}\text{F} - 48^{\circ}\text{F} = \blacksquare$
- $3^{\circ}\text{F} - 25^{\circ}\text{F} = \blacksquare$
- $32^{\circ}\text{F} - 64^{\circ}\text{F} = \blacksquare$
- $-18^{\circ}\text{F} - 55^{\circ}\text{F} = \blacksquare$
- $-90^{\circ}\text{F} + 30^{\circ}\text{F} = \blacksquare$

Write all of your answers on a separate sheet of paper.

Write the next three numbers in the pattern.

15. 0.555, 0.535, 0.515 16. 4.2, 3.2, 2.2
 17. $1, \frac{1}{10}, \frac{1}{100}$ 18. -65, -85, -105

Write the amounts.

19. 2 Q, 4 D, 4 N, 1 P
 20. 4 \$1, 1 Q, 2 D, 1 N, 2 P
 21. 3 \$5, 1 \$1, 2 Q, 1 N
 22. 1 \$100, 4 \$20, 1 \$5, 1 \$1,
 1 Q, 14 N, 17 P

1 km = 1000 m
 1 m = 100 cm
 1 cm = 10 mm

If 1 centimeter on a map represents 500 kilometers, then find the following:

23. 7 cm represents km.
 24. 280 mm represents km.
 25. 63 cm represents km.
 26. 9.5 cm represents km.
 27. 65 mm represents km.



Write all of your answers on a separate sheet of paper.
 Find the account balance.

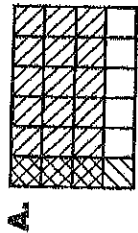
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



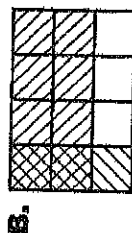
Write all of your answers on a separate sheet of paper.

Write the letter of the picture that best represents each expression.

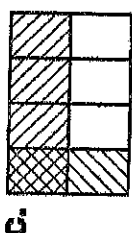
1. $\frac{1}{4}$ of $\frac{1}{2}$



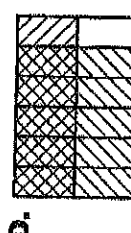
2. $\frac{2}{3}$ of $\frac{1}{4}$



3. $\frac{1}{2}$ of $\frac{5}{6}$



4. $\frac{3}{4}$ of $\frac{1}{6}$



5. What is the name of the polygon?



6. If each side were 6.5 inches, what would the perimeter of the figure be?

7. How many lines of symmetry does it have?



Write all of your answers on a separate sheet of paper.

Find the product. Use area models to help you.

1. $5 \times \frac{2}{3}$

2. $\frac{1}{5} \times 6$

3. $4 \times \frac{1}{4}$

4. $7 \times \frac{1}{3}$

5. $\frac{3}{5} \times 6$

6. $4 \times \frac{3}{8}$

Compare. Write $<$ or $>$.

7. -3.8 \square -2

8. -1.03 \square -1.3

9. 0.5 \square -1.5

10. 23 \square -25

11. -45 \square -52

12. -1.0 \square -0.1

Write a number sentence, then solve. Tell what you did about the remainder.

13. Mari sells eggs by the dozen. One week her chickens laid 152 eggs. How many dozen eggs did she have to sell that week?

14. There are 137 fifth graders going on a field trip to the museum. The school buses each hold 62 students. How many buses are needed for the trip?

15. Sheri weighs a bag of tomatoes. It weighs 40 ounces. How many pounds of tomatoes are in the bag?

Name: _____

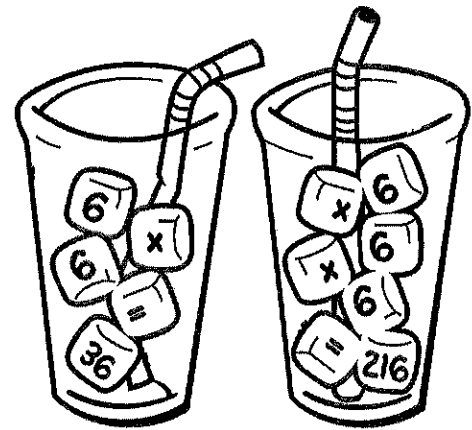
Date: _____

The **square** of a number is the number times itself.

$$5^2 = 5 \times 5 = 25$$

The **cube** of a number is the number multiplied twice by itself.

$$5^3 = 5 \times 5 \times 5 = 125$$



Write the **square** or **cube** of each number.

A. $4^2 = 4 \times 4 = 16$

$9^2 =$ _____

$3^3 =$ _____

B. $6^3 =$ _____

$7^2 =$ _____

$15^3 =$ _____

C. $10^3 =$ _____

$5^3 =$ _____

$14^2 =$ _____

D. $20^2 =$ _____

$24^3 =$ _____

$19^3 =$ _____

E. $8^3 =$ _____

$13^2 =$ _____

$48^2 =$ _____

F. $17^2 =$ _____

$25^3 =$ _____

$37^2 =$ _____

Write the **square** root.

G. $36 = 6^2$ $64 =$ _____ $81 =$ _____ $25 =$ _____ $324 =$ _____ $529 =$ _____

H. $100 =$ _____ $49 =$ _____ $4 =$ _____ $16 =$ _____ $121 =$ _____ $1,600 =$ _____

I. $400 =$ _____ $225 =$ _____ $625 =$ _____ $144 =$ _____ $900 =$ _____ $2,500 =$ _____

Write the **cube** root.

J. $125 = 5^3$ $1,000 =$ _____ $64 =$ _____ $27 =$ _____ $8 =$ _____ $216 =$ _____

K. $512 =$ _____ $1,728 =$ _____ $2,744 =$ _____ $343 =$ _____ $8,000 =$ _____ $6,859 =$ _____

Write all of your answers on a separate sheet of paper.

Use digits to write the following numbers.

- 16. two hundred sixty million, eighty-four thousand, four hundred fifty-three
- 17. six hundred eighty-six and thirty-eight hundredths
- 18. three billion, four hundred fourteen million, six hundred ninety-one thousand
- 19. nine hundred sixty-eight and eleven thousandths
- 20. six trillion, seventy-two billion, eighteen

Write the words for the following numbers.

- 21. 2,000,000,002
- 22. 312,743,000
- 23. 54.098
- 24. 4,969,231,238
- 25. 32.906
- 26. 6,742,843
- 27. 0.505
- 28. 43.003

Complete the "What's My Rule?" tables.

in	out
7	$15\frac{1}{4}$
10	$18\frac{1}{4}$
	20
$13\frac{1}{2}$	
$22\frac{3}{4}$	31

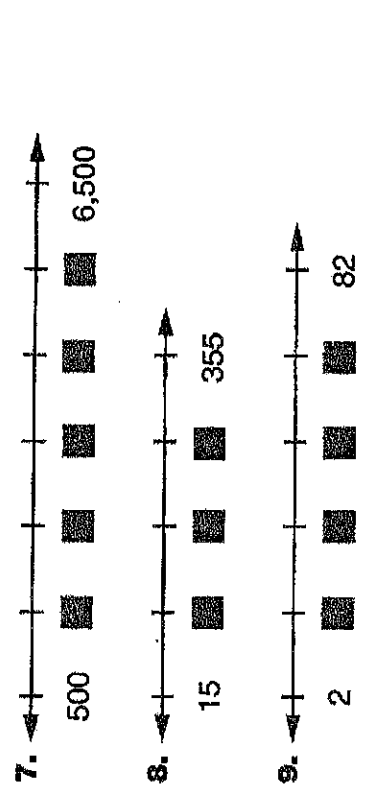
in	out
4	
	35
6	
8	70

Write all of your answers on a separate sheet of paper.

Multiply. Write your answer in simplest form.

- 1. $3\frac{1}{3} * \frac{4}{5}$
- 2. $\frac{1}{2} * \frac{5}{8}$
- 3. $7 * 2\frac{1}{3}$
- 4. $4\frac{1}{6} * 2\frac{2}{5}$
- 5. $3\frac{1}{8} * 6\frac{3}{5}$
- 6. $3\frac{1}{3} * \frac{3}{10}$

Complete the following number lines.



Round each number to the nearest hundredth.

- 10. 18.985
- 11. 5.264
- 12. 344.745
- 13. 23.536
- 14. 29.904
- 15. 0.026
- 16. 461.066
- 17. 0.178
- 18. 82.721
- 19. 7.921
- 20. 94.387
- 21. 102.431
- 22. 521.767
- 23. 187.889

Name: _____

Date: _____

Review: Fractions

Add or subtract.

A. $\frac{5}{6} + \frac{5}{8} =$ _____	$\frac{13}{21} + \frac{5}{7} =$ _____	$\frac{5}{6} + \frac{10}{18} =$ _____	$\frac{6}{7} + \frac{8}{9} =$ _____
B. $\frac{4}{5} + \frac{9}{15} =$ _____	$\frac{5}{16} + \frac{17}{8} =$ _____	$\frac{13}{12} + \frac{7}{8} =$ _____	$\frac{14}{24} + \frac{7}{12} =$ _____
C. $\frac{27}{30} - \frac{5}{6} =$ _____	$\frac{5}{6} - \frac{1}{5} =$ _____	$\frac{7}{8} - \frac{1}{2} =$ _____	$\frac{5}{6} - \frac{2}{9} =$ _____
D. $\frac{9}{16} - \frac{3}{8} =$ _____	$\frac{4}{5} - \frac{2}{8} =$ _____	$\frac{4}{7} - \frac{3}{14} =$ _____	$\frac{3}{4} - \frac{1}{5} =$ _____
E. $\frac{3}{6} - \frac{2}{15} =$ _____	$\frac{5}{8} - \frac{1}{6} =$ _____	$\frac{7}{9} - \frac{2}{6} =$ _____	$\frac{7}{24} - \frac{3}{12} =$ _____
F. $2\frac{1}{8} + 4\frac{1}{2} =$ _____	$3\frac{1}{2} + 5\frac{3}{6} =$ _____	$3\frac{9}{10} + 2\frac{4}{15} =$ _____	$2\frac{2}{3} + 3\frac{1}{6} =$ _____
G. $3\frac{7}{9} + 2\frac{3}{27} =$ _____	$4\frac{2}{8} + 3\frac{4}{16} =$ _____	$3\frac{2}{12} + 3\frac{1}{3} =$ _____	$6\frac{4}{9} + 2\frac{2}{3} =$ _____
H. $6\frac{7}{8} + \frac{2}{6} =$ _____	$6 + 3\frac{5}{9} =$ _____	$\frac{3}{12} + 5\frac{9}{12} =$ _____	$12\frac{4}{8} + \frac{2}{4} =$ _____

Compare. Use >, <, or =.

I. $5\frac{1}{4} - 1\frac{1}{8} \square 5\frac{4}{6} - 1\frac{1}{3}$	$6\frac{5}{18} + 1\frac{3}{9} \square 3\frac{1}{4} + 3\frac{4}{6}$	$\frac{6}{12} \square \frac{9}{24}$
J. $7\frac{1}{2} - 4 \square 9 - 7\frac{4}{10}$	$8\frac{7}{9} - 4\frac{1}{3} \square 9\frac{5}{6} + 5\frac{2}{3}$	$\frac{10}{21} \square \frac{5}{7}$
K. $9 + 3\frac{4}{5} \square 15 - 4\frac{2}{3}$	$9\frac{4}{10} + 2\frac{3}{5} \square 10 + 3\frac{4}{9}$	$\frac{5}{15} \square \frac{2}{3}$
L. $7\frac{1}{4} - 2\frac{2}{8} \square 3\frac{5}{8} - 1\frac{1}{3}$	$4\frac{7}{18} + 1\frac{3}{9} \square 2\frac{1}{2} + 3\frac{1}{2}$	$\frac{3}{12} \square \frac{4}{8}$

Write the missing number.

M. $5\frac{2}{9} + \underline{\hspace{2cm}} = 11$	$\underline{\hspace{2cm}} - 3\frac{2}{7} = 7\frac{5}{21}$	$\underline{\hspace{2cm}} + 2\frac{2}{3} = 5\frac{5}{6}$
N. $\underline{\hspace{2cm}} - 6\frac{3}{5} = 3\frac{1}{3}$	$\underline{\hspace{2cm}} - 7\frac{1}{6} = 4\frac{2}{3}$	$\underline{\hspace{2cm}} - 5\frac{3}{4} = 9\frac{5}{8}$

Write all of your answers on a separate sheet of paper.

Write the number pairs for each point.

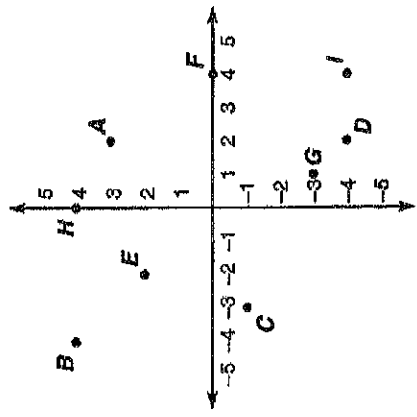
1. A 2. C

3. E 4. G

Name the point at each number pair.

5. (0, 4) 6. (-4, 4)

7. (4, -4) 8. (2, -4)



What are the next three numbers in each pattern?

9. 40, 80, 160 10. 9, 18, 36

11. $\frac{6}{4}, \frac{12}{4}, \frac{24}{4}$ 12. $\frac{1}{8}, \frac{3}{8}, \frac{5}{8}$

Write the amounts.

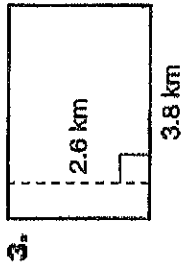
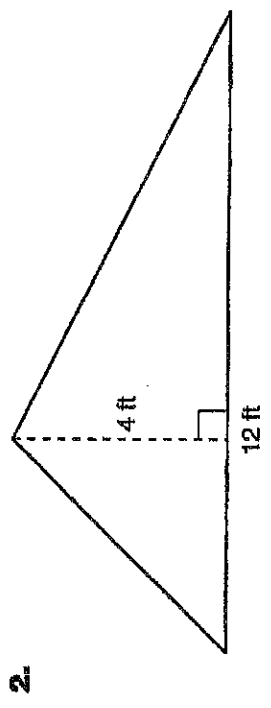
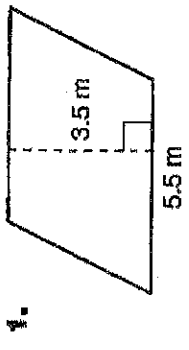
13. Q Q Q D D N N P P P P

14. \$1 Q Q Q Q D D N N N P P

15. \$1 \$1 \$1 \$1 \$1 \$1 \$1 Q N

Write all of your answers on a separate sheet of paper.

Find the area.



Use the following list of numbers to answer the questions.

18.5, 16.25, 15.75, 13.5, 19.25, 11.5, 22.5, 14.25, 11.5

- 4. What is the range? 5. What is the mode?
- 6. What is the median? 7. What is the mean?

Delicious Decimals

convert to various forms



Write each **phrase** as a **decimal**.

1. one hundred nine and six hundred seventy-three thousandths = 109.673
2. five and three tenths =
3. nine hundred twenty-nine and one hundred sixty-eight thousandths =
4. three hundred fifty-three and nine hundred eighty-one thousandths =
5. sixty-seven and four hundred fifteen thousandths =



Write each **expanded form** as a **decimal**.

1. $5 \times 100 + 6 \times 10 + 9 + 2 \times (1/10) + 7 \times (1/100) + 2 \times (1/1000) =$ 569.272
2. $7 \times 100 + 9 \times 10 + 1 + 8 \times (1/10) + 8 \times (1/100) + 7 \times (1/1000) =$
3. $9 \times 100 + 3 \times 10 + 5 + 2 \times (1/10) + 1 \times (1/100) + 1 \times (1/1000) =$
4. $5 \times 10 + 2 + 9 \times (1/10) + 6 \times (1/100) + 3 \times (1/1000) =$
5. $7 \times 100 + 6 \times 10 + 5 \times (1/10) + 9 \times (1/100) + 5 \times (1/1000) =$